Post Implementation Evaluation Report

Data Infrastructure Upgrade – Pittsburg State University

Project Dates: 8/2002 through 5/2003
Project Cost: $369,288

Project Objectives
This project replaced all FDDI and ATM and many 10M ethernet backbone links with gigabit ethernet, and all 10M shared and about half of the 10M switched devices with 10/100M switches. This left a few 10M links feeding about 1/4 of the campus on 10M switches, but the vast collision domain of the hubs was eliminated and 3/4 of the campus have 10/100 access over gigabit backbone.

The core was also replaced with a gigabit layer 3 switch; that is, a high-speed switch with a routing engine. The campus was divided into functional subnets, reducing broadcast domains to a manageable level, and allowing for better security controls.